

Amendments to the Specification

Please replace the paragraph on Page 1, lines 4 - 7 with the following marked-up replacement paragraph:

-- The present invention is related to commonly-assigned, co-pending U. S. Patent Application 10/674,769, titled ~~10/~~_____, titled "Providing Scalable, Alternative Component-Level Views". The related application (referred to herein as "the related invention") was filed concurrently herewith and is hereby incorporated herein by reference. --

Please replace the paragraph that begins on Page 4, line 13 and carries over to Page 5, line 9 with the following marked-up replacement paragraph:

-- Commonly-assigned U. S. Patent 6,681,380 (serial Patent _____) (serial-number 09/504,209, filed February 15, 2000), which is titled "Aggregating Constraints and/or Preferences Using an Inference Engine and Enhanced Scripting Language", teaches techniques for aggregating constraints and/or preferences using an inference engine and an enhanced scripting language. Values of multiple factors and the interrelationships between the factors and their values are aggregated, and the result is used to tailor or direct the processing of a software program. A rule-based system is disclosed therein for aggregating information, and based on the aggregated result, one or more transformations are performed on a requested document before transmitting it to the requester. The particular transformations to be performed may be tailored to constraints such as one or more of: the capabilities of the client device; the connection type over which the content will be delivered; the network bandwidth of the connection; the type of user agent operating on the client device; preferences of a particular user; preferences set by a

Serial No. 10/675,418

-2-

RSW920030221US1

systems administrator or other such person (or preferences generated in an automated manner); preferences for a particular application executing in a particular domain; etc. According to preferred embodiments of this commonly-assigned invention, the aggregated result is made available to an application program, which will use the result to tailor its own processing. This technique avoids having to change the software process itself as new values and/or new factors are deemed to be important to the aggregation result. —

Please replace the paragraph that begins on Page 5, line 10 and carries over to Page 6, line 1 with the following marked-up replacement paragraph:

-- Commonly-assigned U. S. Patent Application Patent _____ (serial number 09/442,015, filed November 17, 1999 (now abandoned)), which is titled "Context-Sensitive Data Delivery Using Active Filtering", discloses techniques for providing context-sensitive data delivery using active filtering to tailor the delivered data content. Preferably, a server maintains information about the typical device types to which it serves data, and continually pre-filters available data for delivery to these devices. Style sheets are used to perform one or more device-specific filtering transformations. In delivering content to a particular device, the server receives a device certificate from the device, and uses this information to identify the device type and the device's user. A user's stored preferences and/or access privileges can then be determined, and this information can be used to refine or filter information available from the server. In particular, this invention discloses filtering information to account for one or more of: an identification of a user of the device; privileges (also referred to conversely as limitations) and/or preferences of the user; the location, device type, and/or device capabilities of the user's device;

Serial No. 10/675,418

-3-

RSW920030221US1

and the current time. --

Please replace the paragraph that begins on Page 15, line 15 and carries over to Page 16, line 4 with the following marked-up replacement paragraph:

-- Continuing with the window resizing example, suppose the Web page designer wishes to provide three different alternative views of a component within a Web page, where this component pertains to a movie promotion, and that the run-time decision of which view should be rendered is to be based on the current width of the client browser window. This scenario is illustrated by the ALTlet in Fig. 1, which is specified within an HTML Web page 100. In addition, this Web page 100 includes a specification of a style sheet (see reference number 110), and script statements encoded in the JavaScript® scripting language are used for specifying this ALTlet. ("JavaScript" is a registered trademark of Sun Microsystems, Inc.) See reference number 120, where this intelligent client-side script specification begins, through through reference number 129, where it ends. --

Please replace the paragraph that begins on Page 17, line 19 and carries over to Page 18, line 8 with the following marked-up replacement paragraph:

-- The variable content syntax specification was briefly described above, with reference to the three different types of content that may be selected for rendering in this example. This syntax specification will now be described in more detail. Reference number 138 specifies a parent "div" element which has three child elements (each specifying one of the three alternative views). This parent element has a "class" attribute, an "id" attribute, and a "style" attribute. The

value of the "class" attribute specifies that this is an ALTlet. The "id" attribute is preferably used to associate an identifier ("browserWidthALTlet", in this case) with the ALTlet specification 138. This facilitates identification of each ALTlet when more than one ALTlet is included in a particular Web page or markup language document. The optional "style" attribute ~~attributes~~ specifies the GUI real estate allocated for rendering the selectable views defined in the ALTlet. —

Please replace the paragraph that begins on Page 24, line 13 and carries over to Page 25, line 5 with the following marked-up replacement paragraph:

— In another approach, the applicable factors that should be evaluated may be determined from the value of the "type" attribute on the ALTlet tag. See reference number 139 in Fig. 1, for example, where this attribute has the value "browserWidthALTlet". When using this approach, the attribute value preferably identifies an evaluation routine (for use in Block 330) that is adapted for dynamically locating values of certain factors or stimuli and determining an evaluation result therefrom. For example, in the scenario of using current network congestion information to determine which view of a remotely-stored image to request, an "id" attribute for the ALTlet might specify a value of "getNetworkTraffic", where this value may identify a locally-accessible routine that determines the current network congestion. The result of an invocation of such code may then be used to access a repository that maps return values from that code to values of the "id" attributes specified on the "<div>" tags ~~the <view> tags~~ for the ALTlet's selectable views (or in some cases, the return values may be designed to map directly to the "id" attribute values of those selectable views). —